

# PATENT ABSTRACTS OF JAPAN

(11)Publication number : 63-013999

(43)Date of publication of application : 21.01.1988

(51)Int.Cl.

F17C 5/06

(21)Application number : 61-154857

(71)Applicant : NICHIGOU ASECHIREN KK

(22)Date of filing : 01.07.1986

(72)Inventor : NISHIDA MINORU  
KOTANI YASUO

## (54) FILLING METHOD FOR HIGH PURITY ACETYLENE GAS

### (57)Abstract:

**PURPOSE:** To fill acetylene in a short time without reducing its purity when a high purity acetylene gas is filled in an acetylene container, by maintaining the acetylene container in a low temperature condition.

**CONSTITUTION:** Acetylene is filled into an acetylene container 8 via a flowmeter 9 and a valve 10. The acetylene container 8 is immersed in a refrigerant tank 7 cooled to  $-20^{\circ}\text{C}$  using dry ice and ethanol as a refrigerant, and is maintained in a low temperature condition. Thus, without reducing the purity of acetylene, acetylene can be filled in an extremely low pressure as compared with the former method and further in a short time.

